

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	165	("20020125581" "20020127772" "3673680" "3926360" "4104111" "4153988" "4246595" "4304640" "4394712" "4487654" "4499655" "4525246" "4613891" "4664309" "4700473" "4705205" "4748130" "4783695" "4925723" "4926549" "4991290" "5058800" "5111279" "5129142" "5135606" "5136359" "5145552" "5192716" "5259110" "5275330" "5308443" "5379515" "5401688" "5407864" "5424245" "5432675" "5435480" "5454161" "5454928" "5468681" "5484647" "5510655" "5527741" "5600884" "5608264" "5618752" "5637925" "5646067" "5682062" "5691041" "5699612" "5719354" "5737833" "5770889" "5814889" "5819406" "5834799" "5860818" "5863406" "5900674" "5920123" "5923955" "5924622" "5937277" "6002177" "6015081" "6046410" "6051093" "6066402" "6117299" "6157084" "6222272" "6319751" "6448644" "6449840" "6511607" "6528891" "6720500").PN	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 12:35
S2	7	("4941033" "5049972" "5360988" "5475236" "5523622" "5677567" "5877559").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/16 19:43
S3	16	("4499655" "5136359" "5433822" "5434452" "5468681" "5470790" "5559372").PN. OR ("5877559").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/16 20:29
S4	1440573	@ad>"19981216"@riad>"19981216"@ptid>"19981216"	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/16 20:29
S5	9	S3 not S4	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/16 20:29
S6	165	("20020125581" "20020127772" "3673680" "3926360" "4104111" "4153988" "4246595" "4304640" "4394712" "4487654" "4499655" "4525246" "4613891" "4664309" "4700473" "4705205" "4748130" "4783695" "4925723" "4926549" "4991290" "5058800" "5111279" "5129142" "5135606" "5136359" "5145552" "5192716" "5259110" "5275330" "5308443" "5379515" "5401688" "5407864" "5424245" "5432675" "5435480" "5454161" "5454928" "5468681" "5484647" "5510655" "5527741" "5600884" "5608264" "5618752" "5637925" "5646067" "5682062" "5691041" "5699612" "5719354" "5737833" "5770889" "5814889" "5819406" "5834799" "5860818" "5863406" "5900674" "5920123" "5923955" "5924622" "5937277" "6002177" "6015081" "6046410" "6051093" "6066402" "6117299" "6157084" "6222272" "6319751" "6448644" "6449840" "6511607" "6528891" "6720500").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 11:22
S7	1440573	@ad>"19981216"@riad>"19981216"@ptid>"19981216"	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 11:22
S8	161	S6 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 11:22
S9	12	("4941033" "5049972" "5360988" "5475236" "5523622" "5677567" "5877559").PN. OR ("6157084").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 11:24
S10	7	S9 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 12:30
S11	2	("20020127772").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/17 12:30
S12	63643	selfalign\$ selfl adj align\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 12:46
S13	9	S8 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 12:36

S14	974	("1087561" "2614590" "2713379" "3040119" "3070119" "3119922" "3171762" "3256465"   "3324014" "3343256" "3372070" "3373481" "3388301" "3418545" "3429040" "3445686"   "3454835" "3456335" "3462650" "3495207" "3541222" "3560257" "3585712" "3624462"   "3625837" "3633263" "3648131" "3665590" "3673680" "3680037" "3698076" "3701451"   "3758705" "3760236" "3761782" "3796927" "3798513" "3811186" "3819430" "3835531"   "3870582" "3871014" "3871015" "3880486" "3885196" "3888639" "3889350" "3901758"   "3904934" "3959579" "3962052" "3969745" "3972766" "3982268" "4050756" "4074342"   "4097890" "4100566" "4104674" "4142202" "4157932" "4188709" "4190855" "4205099"   "4216350" "4234373" "4240198" "4249302" "4252990" "4263341" "4263606" "4268956"   "4275410" "4304640" "4318954" "4336551" "4349620" "4355463" "4368503" "4373778"   "4379307" "4381131" "4394712" "4412642" "4413051" "4425501" "4437109" "4445735"   "4449774" "4451842" "4460537" "4467343" "4478915" "4487654" "4499655" "4509099"   "4525246" "4528072" "4545610" "4545838" "4553036" "4563543" "4574331" "4590411"   "4599137" "4611869" "4612083" "4613891" "4628406" "4631805" "4636631" "4641222"   "4649338" "4652973" "4663479" "4664309" "4667219" "4670764" "4673772" "4679118"   "4680617" "4683024" "4688152" "4689652" "4694185".PN. 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S16	652	("2872391" "2890395" "2897409" "3002481" "3049647" "3070650" "3148310" "3191098"   "3208921" "3255511" "3259049" "3296099" "3301939" "3306830" "3351816" "3373481"   "3374531" "3392442" "3397278" "3467765" "3472365" "3483615" "3486223" "3493820"   "3520055" "3530411" "3569790" "3583063" "3591839" "3597660" "3616532" "3632955"   "3648131" "3654097" "3659333" "3673680" "3680037" "3684818" "3702284" "3723176"   "3736653" "3742597" "3744129" "3754170" "3772101" "3795884" "3798136" "3808478"   "3808681" "3811186" "3819497" "3835531" "3839727" "3861135" "3862791" "3868724"   "3871015" "3873429" "3900153" "3904934" "3907621" "3921285" "3922479" "3926360"   "3968193" "3991463" "4003621" "4023197" "4024631" "4027936" "4034469" "4064623"   "4067104" "4074342" "4089575" "4104111" "4109378" "4130327" "4147579" "4179802"   "4195193" "4201435" "4209893" "4240198" "4246595" "4246697" "4251852" "4257061"   "4278511" "4285780" "4286374" "4290195" "4295700" "4296456" "4304640" "4312897"   "4325780" "4334727" "4349862" "4354629" "4363076" "4368106" "4371912" "4390220"   "4396467" "4399004" "4402450" "4402562" "4412642" "4413308" "4433887" "4437718"   "4458968" "4487638" "4509096" PN. OR ("3673680" "3926360" "4104111" "4153988"   "4246595" "4304640" "4394712" "4487654" "4499655" "4525246" "4613891" "4664309"   "4700473" "4705205" ) URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 12:45
S17	1169	((selfalign\$ self adj align\$) and S14 S15 S16) not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 12:49
S18	701	solder and S17	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 12:50
S19	333	reflow\$ and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 13:03
S20	227	438\$for.495	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 17:06
S21	2219	solder with capillar\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 13:11
S23	34	S21 and S12 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 13:23
S25	740	gravit\$ with solder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 13:24
S27	23	S12 and S25 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 13:29

S28	2	"914347".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 13:30
S29	43	("3621338"   "3683241"   "3737729"   "4211354"   "4218724"   "4267953"   "4278990"   "4400762"   "4417296"   "4483810"   "4531145"   "4551746"   "4551747"   "4591401"   "4603474"   "4724283"   "4740414"   "4750089"   "4769525"   "4783695"   "4783697"   "4847136"   "4872081"   "4879630"   "4918811"   "4953005"   "4985097"   "4994215"   "4996116"   "5006673"   "5019941"   "5019946"   "5028987"   "5100740"   "5139972"   "5176309"   "5213877"   "5216279"   "5280850"   "5324890"   "5328751"   "5365403"   "5526234").PN. OR ("5938104").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:21
S30	43	S29 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:23
S31	17	saxelby.in.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:23
S32	8	S31 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 17:15
S33	89	vilas.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:24
S34	65	S33 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:25
S35	34	solder\$ and S34	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:45
S36	3039	solder1 adj plat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:46
S37	2630369	via throughhole hole	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 14:47
S39	309	S36 with S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 14:47
S40	58	reflow\$ and S39 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 15:23
S41	8258	solder with plated adj (throughhole throughl adj hole) pth	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 15:58
S42	11	("3673680"   "4304640"   "4487654"   "4525246"   "5024734").PN. OR ("5863406").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:27
S43	6	S42 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:27
S44	21	("3002481").PN. OR ("3673680").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:33
S46	17	S44 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 15:33
S47	15	("4830264"   "5275330"   "5409157"   "5447264").PN. OR ("5722160").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:43
S48	8	S47 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:43
S49	38	("3001057"   "4412642"   "4830264"   "5088639"   "5129142"   "5191174"   "5229549").PN. OR ("5435480").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:55
S50	23	S49 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 15:55
S52	13	S41 with electroplat\$ not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 15:59
S53	40	("3517434"   "3926360"   "4558812"   "4722470"   "4727633"   "4759491"   "4889275"   "4906823"   "4972989").PN. OR ("5048747").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 16:06
S54	33	S53 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 16:06

S55	227	S20 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 17:07
S58	4	((("5644103") or ("5663869"))).PN	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/17 17:16
S59	4	"851482".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 17:17
S60	2	("5778526").PN	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/17 17:18
S61	43	(US-5877559-\$ or US-6449840-\$ or US-6511607-\$ or US-6051093-\$ or US-6015081-\$ or US-5860818-\$ or US-6448644-\$ or US-6245594-\$ or US-5558271-\$ or US-5767580-\$ or US-5477086-\$ or US-6015520-\$ or US-5960538-\$ or US-5526234-\$ or US-5938104-\$ or US-5876859-\$ or US-6159772-\$ or US-6138349-\$ or US-6119923-\$ or US-6096981-\$ or US-5906310-\$ or US-5808358-\$ or US-5778526-\$ or US-5663869-\$ or US-5644103-\$ or US-5365403-\$).did. or (US-6236302-\$ or US-6172591-\$ or US-5275330-\$ or US-4804615-\$ or US-4487654-\$ or US-4304640-\$ or US-5924622-\$ or US-5863406-\$ or US-4525246-\$ or US-3673680-\$ or US-4650548-\$ or US-5722160-\$ or US-5435480-\$ or US-5129142-\$ or US-5160579-\$ or US-5048747-\$ or US-3926360-\$).did.	USPAT	OR	ON	2004/12/17 19:00
S63	85763	printed adj circuit adj board pcb	USPAT	OR	ON	2004/12/17 19:04
S66	2	pad with chip with (nonconductive adj substrate)	USPAT	OR	ON	2004/12/17 19:03
S67	90	pad with chip with alumina	USPAT	OR	ON	2004/12/17 19:03
S68	73	S67 not S7	USPAT	OR	ON	2004/12/17 19:14
S70	251	pad with chip with insulating adj substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 19:14
S72	150	S70 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 19:20
S75	53	chipl adj pad with substrate adj pad not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 19:24
S76	192	S6 S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 19:27
S78	62	S63 and S76	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 19:27

S79	1142	("2614590" "2713379" "2861163" "2872391" "2897409" "2978665" "3001057" "3002481" "3040119" "3061501" "3070119" "3071854" "3119922" "3138686" "3187164" "3208921" "3243753" "3296099" "3306830" "3324014" "3339274" "3374531" "3392442" "3429040" "3461357" "3483615" "3486223" "3495207" "3517434" "3520055" "3535494" "3541222" "3577037" "3583063" "3619560" "3621338" "3632955" "3659333" "3673680" "3676566" "3680037" "3683241" "3689736" "3702284" "3736653" "3737729" "3742597" "3744129" "3766440" "3769702" "3778530" "3805117" "3808681" "3811186" "3819430" "3819497" "3823217" "3824328" "3870582" "3873429" "3878501" "3880486" "3889350" "3892646" "3900770" "3901758" "3904934" "3926360" "3934334" "3972766" "3984244" "4050756" "4074342" "4101862" "4104111" "4151401" "4151543" "4156148" "4158190" "4177376" "4177446" "4182781" "4196411" "4211354" "4215235" "4216350" "4218724" "4218725" "4234373" "4237441" "4238812" "4240198" "4246468" "4249302" "4250398" "4250481" "4257091" "4263606" "4266140" "4267953" "4272471" "4278990" "4291118" "4304640" "4314230" "4314231" "4315175" "4315237" "4317027" "4321589" "4325780" "4327351" "4329726" "4336551" "4339303" "4341949" "4349620" "4352083" "4368503" "4373778" "4376815" "4383363" "4394530" "4394712" "4400762".PN. 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S80	1033	("1087561"   "3171762"   "3193789"   "3256465"   "3343256"   "3352730"   "3372070"   "3373481"   "3385773"   "3388301"   "3418545"   "3429040"   "3445686"   "3454835"   "3456335"   "3462650"   "3560257"   "3577037"   "3585712"   "3624462"   "3625837"   "3633269"   "3648131"   "3665590"   "3688076"   "3701451"   "3758705"   "3760238"   "3761782"   "3791858"   "3796927"   "3798513"   "3811186"   "3835531"   "3871014"   "3871015"   "3880486"   "3885196"   "3888639"   "3959579"   "3962052"   "3969745"   "3982268"   "3986196"   "4067945"   "4074342"   "4097890"   "4100566"   "4104674"   "4131516"   "4142202"   "4157932"   "4188709"   "4190855"   "4205099"   "4231811"   "4249302"   "4252990"   "4263341"   "4268956"   "4275410"   "4318954"   "4336551"   "4348253"   "4355463"   "4368106"   "4368503"   "4374457"   "4379307"   "4381131"   "4394712"   "4417393"   "4425501"   "4437109"   "4449774"   "4451842"   "4460537"   "4467343"   "4478915"   "4499655"   "4528072"   "4545610"   "4553036"   "4574331"   "4612083"   "4613891"   "4617730"   "4628406"   "4631805"   "4636631"   "4641222"   "4649338"   "4652973"   "4664309"   "4667219"   "4667401"   "4670764"   "4679118"   "4680617"   "4688152"   "4689652"   "4694185"   "4695872"   "4696104"   "4700276"   "4700473"   "4701424"   "4703559"   "4705205"   "4712721"   "4720738"   "4723156"   "4725562"   "4729061"   "4733096"   "4737470"   "4740657"   "4748495"   "4754316"   "4759491"   "4761681"   "4765864"   "4766371"   "4783695"   "4783722"   PN. OR ("4784972"   "4788767"   "4799984"   "4806188"   "4807021"   "4808273"   "4810332"   "4811082"   "4812130"   "4813128"   "4814040"   "4825284"   "4827118"   "4830264"   "4835704"   "4839309"   "4839510"   "4841355"   "4845542"   "4847146"   "4849374"   "4854882"   "4862322"   "4862588"   "4868068"   "4868349"   "4874721"   "4874722"   "4875982"   "4880684"   "4894115"   "4897708"   "4923404"   "4926241"   "4926549"   "4927369"   "4932883"   "4933042"   "4933808"   "4935581"   "4935800"   "4938996"   "4939568"   "4948754"   "4950170"   "4953060"   "4954458"   "4954875"   "4954878"   "4961105"   "4963697"   "4970381"   "4970577"   "4970577"   "4978639"   "4982265"   "4982266"   "4984358"   "4991000"   "4991285"   "4991290"   "4993799"   "4998806"   "5006673"   "5013249"   "5023994"   "5024966"   "5032896"   "5037782"   "5039628"   "5045249"   "5053357"   "5055425"   "5055907"   "5057895"   "5058800"   "5059553"   "5061989"   "5065505"   "5069749"   "5073521"   "5075258"   "5077633"   "5084961"   "5091769"   "5095627"   "5100501"   "5109601"   "5111278"   "5111279"   "5118370"   "5119272"   "5121299"   "5123850"   "5124843"   "5128831"   "5130531"   "5132251"   "5136359"   "5137461"   "5138438"   "5139969"   "5144484"   "5149958"   "5153379"   "5153385"   "5153772"   "5155302"   "5161059"   "5161093"   "5161983"   "5162257"   "5162260"   "5163837"   "5164336"   "5166097"   "5168346"   "5169678"   "5171290"   "5171712"   "5172303"   "5179777"   "5191405"   "5196371"   "5196920"   PN. OR ("5198695"   "5198698"   "5199889"   "5200631"   "5202754"   "5207585"   "5215472"   "5221209"   "5223084"   "5227812"   "5229647"   "5232372"   "5237743"   "5239448"   "5246880"   "5248262"   "5252857"   "5258648"   "5259110"   "5268326"   "5270261"   "5280191"   "5282312"   "5283468"   "5284796"   "5289631"   "5293006"   "5302853"   "5313097"   "5313099"   "5317183"   "5322446"   "5322816"   "5338208"   "5340947"   "5342495"   "5346750"   "5346861"   "5352318"   "5352926"   "5353194"   "5353195"   "5353498"   "5363275"   "5363550"   "5365088"   "5366589"   "5384952"   "5386626"   "5394298"   "5394303"   "5397245"   "5397919"   "5398989"   "5404044"   "5408123"   "5413489"   "5418186"   "5419710"   "5420064"   "5421083"   "5431571"   "5432999"   "5440075"   "5443661"   "5449427"   "5450290"   "5451165"   "5452182"   "5454904"   "5455445"   "5457881"   "5468157"   "5468158"   "5468681"   "5468996"   "5470796"   "5473119"   "5474458"   "5475255"   "5477161"   "5480834"   "5481133"   "5483421"   "5485351"   "5487218"   "5489804"   "5492863"   "5493475"   "5502002"   "5503286"   "5508229"   "5510655"   "5521435"   "5527741"   "5527998"   "5528080"   "5530288"   "5535101"   "5543032"   "5547530"   "5552633"   "5587341"   "5597469"   "5607877"   "5608264"   "5615477"   "5637925"   "5662788"   "5700735"   "5731073"   "5736456"   "5786238"   "5793117"   "5859470"   PN. OR ("5424245"   "5432675"   "5454161"   "5454928"   "5468681"   "5484647"   "5510655"   "5527741"   "5600884"   "5608264"   "5618752"   "5637925"   "5646067"   "5682062"   "5691041"   "5699612"   "5719354"   "5737833"   "5770889"   "5814889"   "5819406"   "5834799"   "5900674"   "5920123"   "5923955"   "5937277"   "6002177"   "6064402"   "6117299"   URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 19:29
S81	1168	("2396725"   "2803731"   "2890395"   "2961746"   "3049647"   "3070650"   "3148310"   "3191098"   "3193789"   "3205298"   "3255511"   "3259049"   "3278337"   "3290756"   "3301939"   "3311966"   "3331707"   "3351816"   "3373481"   "3397278"   "3429040"   "3430182"   "3467765"   "3472365"   "3493820"   "3501832"   "3530411"   "3541222"   "3562009"   "3569790"   "3591839"   "3597660"   "3616532"   "3617682"   "3648131"   "3654097"   "3679941"   "3680037"   "3680209"   "3684818"   "3691628"   "3702025"   "3723176"   "3726002"   "3754170"   "3758348"   "3772101"   "3795884"   "3798136"   "3808478"   "3811186"   "3835531"   "3839727"   "3852878"   "3855692"   "3861135"   "3862791"   "3868724"   "3871014"   "3871015"   "3900153"   "3904934"   "3907621"   "3921285"   "3922479"   "3926360"   "3968193"   "3971610"   "3991463"   "4003621"   "4023197"   "4024631"   "4027936"   "4034469"   "4050756"   "4064623"   "4067104"   "4074342"   "4079511"   "4089575"   "4109378"   "4125310"   "4130327"   "4147579"   "4179802"   "4184729"   "4190855"   "4195193"   "4199209"   "4201435"   "4209893"   "4240198"   "4246595"   "4246697"   "4249302"   "4251852"   "4257061"   "4268537"   "4278511"   "4285780"   "4286374"   "4290195"   "4295700"   "4296456"   "4300153"   "4312897"   "4323593"   "4334727"   "4335503"   "4347306"   "4347661"   "4349862"   "4354629"   "4355463"   "4363076"   "4368106"   "4371912"   "4380699"   "4384016"   "4390220"   "4396467"   "4399004"   "4401840"   "4402450"   "4402562"   PN. OR ("4411719"   "4412642"   "4413308"   "4426773"   "4433887"   "4437718"   "4458968"   "4487638"   "4509096"   "4514785"   "4536469"   "4540229"   "4545610"   "4552440"   "4580156"   "4582975"   "4588468"   "4591220"   "4595790"   "4604160"   "4612083"   "4613891"   "4617085"   "4617730"   "4642160"   "4648179"   "4664309"   "4677528"   "4681654"   "4695870"   "4698662"   "4705205"   "4714516"   "4731645"   "4736521"   "4754371"   "4755866"   "4766670"   "4783695"   "4788766"   "4789767"   "4799984"   "4806188"   "4814040"   "4825284"   "4837408"   "4840924"   "4843225"   "4850105"   "4874721"   "4876120"   "4878990"   "4879258"   "4890157"   "4908940"   "4911796"   "4916002"   "4918811"   "4922325"   "4925723"   "4926241"   "4926549"   "4931853"   "4931906"   "4941033"   "4949163"   "4954389"   "4958222"   "4961052"   "4961259"   "4963428"   "4965227"   "4970571"   "4970577"   "4975312"   "4996391"   "4996581"   "5012047"   "5023205"   "5027188"   "5039628"   "5045142"   "5046238"   "5048179"   "5058800"   "5060049"   "5093708"   "5103293"   "5103557"   "5111279"   "5117068"   "5142775"   "5157589"   "5171712"   "5192716"   "5206188"   PN. OR ("4104111"   "4153988"   "4245595"   "4394712"   "4499655"   "4613891"   "4664309"   "4700473"   "4705205"   "4748130"   "4783695"   "4925723"   "4926549"   "4991290"   "5058800"   "5111279"   "5135606"   "5136359"   "5145552"   "5192716"   "5259110"   "5308443"   "5379515"   "5401688"   "5407864"   URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 19:29
S82	2617	S79 S80 S81 not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 19:49
S85	1935	(S79 S80 S81) not S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 19:50
S86	1129	solder and S85	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/17 19:50
S87	26	("3888639"   "4574331"   "5023994"   "5111278"   "5119272"   "5128831"   "5239448"   "5353194"   "5394298"   "5450290"   "5483421"   "5487218"   "5527741"   "5535101"   "5615477"   PN. OR ("5920123"   URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 19:59



S88	18	S87 not S7	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/17 19:59
S89	44	(US-5877559-\$ or US-6449840-\$ or US-6511607-\$ or US-6051093-\$ or US-6015081-\$ or US-5860818-\$ or US-6448644-\$ or US-6245594-\$ or US-5558271-\$ or US-5767580-\$ or US-5477086-\$ or US-6015520-\$ or US-5960538-\$ or US-5526234-\$ or US-5938104-\$ or US-5876859-\$ or US-6159772-\$ or US-6138349-\$ or US-6119923-\$ or US-6096981-\$ or US-5906310-\$ or US-5808358-\$ or US-5778526-\$ or US-5663869-\$ or US-5644103-\$ or US-5365403-\$).did. or (US-6236302-\$ or US-6172591-\$ or US-5275330-\$ or US-4804615-\$ or US-4487654-\$ or US-4304640-\$ or US-5924522-\$ or US-5863406-\$ or US-4525246-\$ or US-3673680-\$ or US-4650548-\$ or US-5722160-\$ or US-5435480-\$ or US-5129142-\$ or US-5160579-\$ or US-5048747-\$ or US-3926360-\$ or US-6195883-\$).did.	USPAT	OR	ON	2004/12/17 20:29
S90	2630369	via throughhole hole	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/20 12:54
S91	1440573	@ad>"19981216"@rad>"19981216"@pt1d>"19981216"	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/20 12:54
S92	2270557	wall sidewall	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/20 12:54
S93	38584	coalesc\$	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/20 12:55
S94	326814	concav\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 12:55
S95	579645	tension	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 12:55
S97	17020	S90 with solder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 12:59
S98	201366	settU\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 12:59
S99	17	S97 with S93	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 12:59
S10 0	5	S99 not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:02
S10 1	941756	melt\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:02
S10 2	141	S97 with (S95 S98 S94) not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:02
S10 3	9	S102 with S92	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:07
S10 4	975	S97 with S92	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:07
S10 5	44	S104 with (S101 reflow\$) not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:12
S10 6	159	solder with merg\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:12
S10 7	92	S106 not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:13
S10 8	247	solder with S93	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:13



S10 9	141	S108 not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:22
S11 0	4314	solder with S92	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:24
S11 1	316	S110 with (S101 reflow\$) not S91	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:24